SignaGen® Laboratories *A Gene Delivery Company…*

CalFectin™ Mammalian Cell Transfection Reagent

DAY 1: Cell seeding

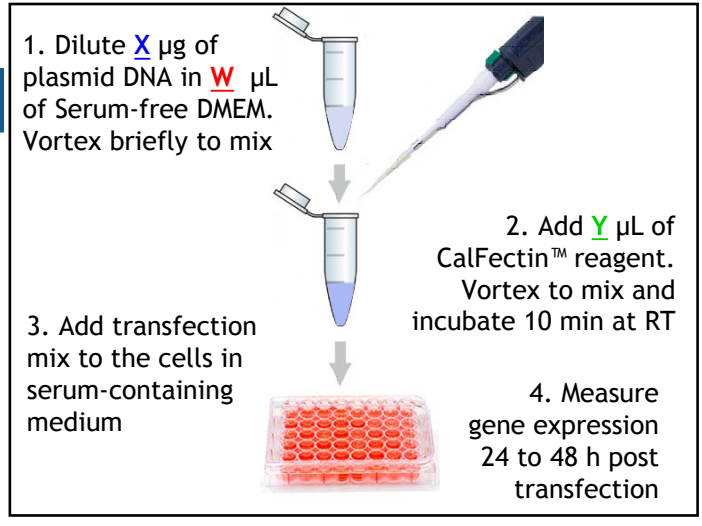
► Cell seeding = ~70% confluency at the day of transfection.

DAY 2: Transfection with CalFectin™ reagent/DNA ratio at 3:1 (µL/µg)

► Perform transfection in the presence of serum/antibiotics.

► To make transfection mix, use serum-free medium (e.g., serum free DMEM) to dilute CalFectin™ Transfection Reagent and plasmid DNA. Note: Never use OPTI-MEM!

► Perform DNA transfection referring to the image and table below.



Culture Dish	Culture Medium (mL)	DNA (µg) - X	Diluent (Serum-free medium) (µL) - W	CalFectin™ Reagent (µL) - Y
24-well	1.0	0.5	50	1.5
6-well/35 mm	2.0	1	100	3
100 mm/T75	10	5	500	15

DAY 3~4: Measure gene expression

Visit the following link for complete protocol https://signagen.com